

NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090099-B Mode: Highway Status: Submitted

US-13

From/Cross Street: US 158 Bypass in Tarheel

To: SR 1202 (Eure Road/Gates School Road)

Length: 4.16

Specific Improvement Type: 1 - Widen Existing Roadway

Project Category: Statewide Mobility

Cost to NCDOT: \$26,200,000

TIP#: R-2507B

Fully Funded in Draft STIP?

Description:

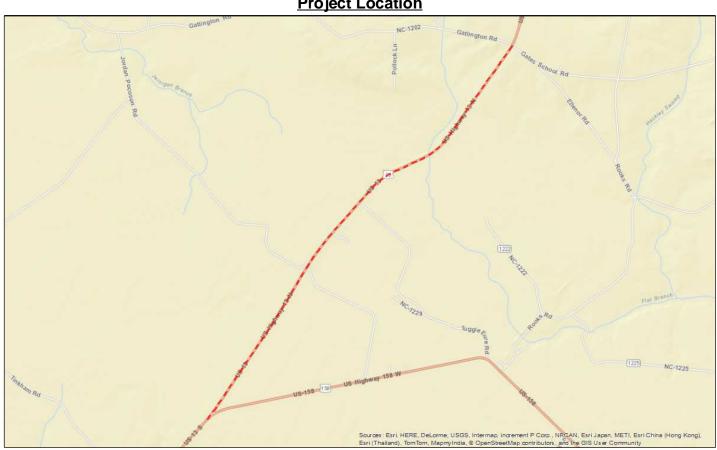
Widen to Multi-Lanes.

Division(s): Division 1

County(s): GATES

MPOS(s)/RPO(s): Albemarle RPO

Project Location



09/22/2014 02:09 PM Highway 1/4 US-13 SPOT ID H090099-B

Statewide Mobility Total Score: 11.66

| Quantitative Score | | Division Engineer Local Input Points | MPO/RPO Local Input Points |
|---|--|---|-------------------------------|
| Congestion (V/C) (30%) Safety (10%) Economic Competitiveness (10%) Multimodal + [Freight & Military] (20%) [Travel Time] Benefit/Cost (30%) Totals: Weight: 100% Weighted Score: | 15.80 50.77 0.06 9.17 0.02 | N/A | N/A |

Regional Impact Total Score: 27.49

| Quantitative Score | | Division Engineer Local Input Points | MPO/RPO Local Input Points |
|--|---|--------------------------------------|----------------------------|
| Safety (15%) [Paved] Shoulder Width (10%) [Travel Time] Benefit/Cost (20%) Congestion (V/C) (15%) Lane Width (10%) | 50.77 0.00 0.02 15.80 25.00 | Percent: 15% Points: 100 | Percent: 15% Points: 0 |
| Totals: Weight: 70% Weighted Scor | e: 12.49 | | |

Division Needs Total Score: 9.16

| Quantitative Score | | Division Engineer Local Input Points | MPO/RPO Local Input Points |
|---|---|---|-------------------------------|
| [Paved] Shoulder Width (10%) [Travel Time] Benefit/Cost (10%) Lane Width (10%) Congestion (V/C) (10%) Safety (10%) Totals: Weight: 50% Weighted Scor | 0.00 0.02 25.00 15.80 50.77 | Percent: 25% Points: 0 | Percent: 25% Points: 0 |

09/22/2014 02:09 PM Highway **2/4**

US-13 SPOT ID H090099-B

Project Data *

Existing Conditions

Existing Cross-Section: 55 Speed Limit: Length (miles); 4.16 Two Lane Highway Facility Type: Access Control: None Functional Classification: Other Principal Arterial Terrain Type: Level Lane Width: 11 Paved Shoulder Width: 2 Roadway has Curb & Gutter? No Volume (AADT): 3700 15500 Capacity: Volume/Capacity Ratio: 0.24 % Autos: 83% % Trucks: 17% Truck Volume: 640 59.82 Crash Density: 36.67 Crash Severity: Critical Crash Rate: 55.82 Crash Frequency: 0 0 Severity Index: County Tier Designation: Non-Interstate STRAHNET Yes Route? Average Commuting Time: 37 Existing Median Type (for Undivided Cost Estimation): Pavement Condition Rating: 94 Actual Congested Speed: 57.98 Travel Time Index: 0.95

Project Benefits

| 4A - 4 Lane Divided (46' Depressed Median) with Paved Shoulders |
|---|
| 55 |
| 4.16 |
| Multi-Lane Highway |
| Partial |
| Other Principal Arterial |
| Level |
| 12 |
| 0 |
| 21846.24 |
| 18067.43 |
| 3778.81 |
| 0 |
| 1.16E-06 |
| No |
| Yes |
| No |
| |
| |
| Division 1 |
| |

09/22/2014 02:09 PM Highway **3/4**

^{*} Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT Online tool and associated databases.

US-13 SPOT ID H090099-B

Project Ownership

Division

| Division | Percent | Regional Impact | Division Needs |
|-----------------------|---------|-----------------|----------------|
| Division 1 | 100% | 100 | 0 |
| | 0% | 0 | 0 |
| | 0% | 0 | 0 |
| TOTAL Division Points | | 100 | 0 |

MPO/RPO

| MPO/RPO | Percent | Regional Impact | Division Needs |
|----------------------|---------|-----------------|----------------|
| Albemarle RPO | 100% | 0 | 0 |
| | 0% | 0 | 0 |
| | 0% | 0 | 0 |
| TOTAL MPO/RPO Points | | 0 | 0 |

Project Cost and Source

| Construction Cost: | \$23,200,000 | TIP Unit |
|---------------------|--------------|----------|
| Right-of-Way Cost: | \$1,800,000 | TIP Unit |
| Utilities Cost: | \$1,200,000 | TIP Unit |
| Total Project Cost: | \$26,200,000 | |
| Other Funding: | \$0 | None |
| Cost to NCDOT : | \$26,200,000 | |

09/22/2014 02:09 PM Highway **4/4**